

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126331.D
 Acq On : 22 Dec 2021 16:14
 Operator : JU/CG
 Sample : M5198-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 16:41:23 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

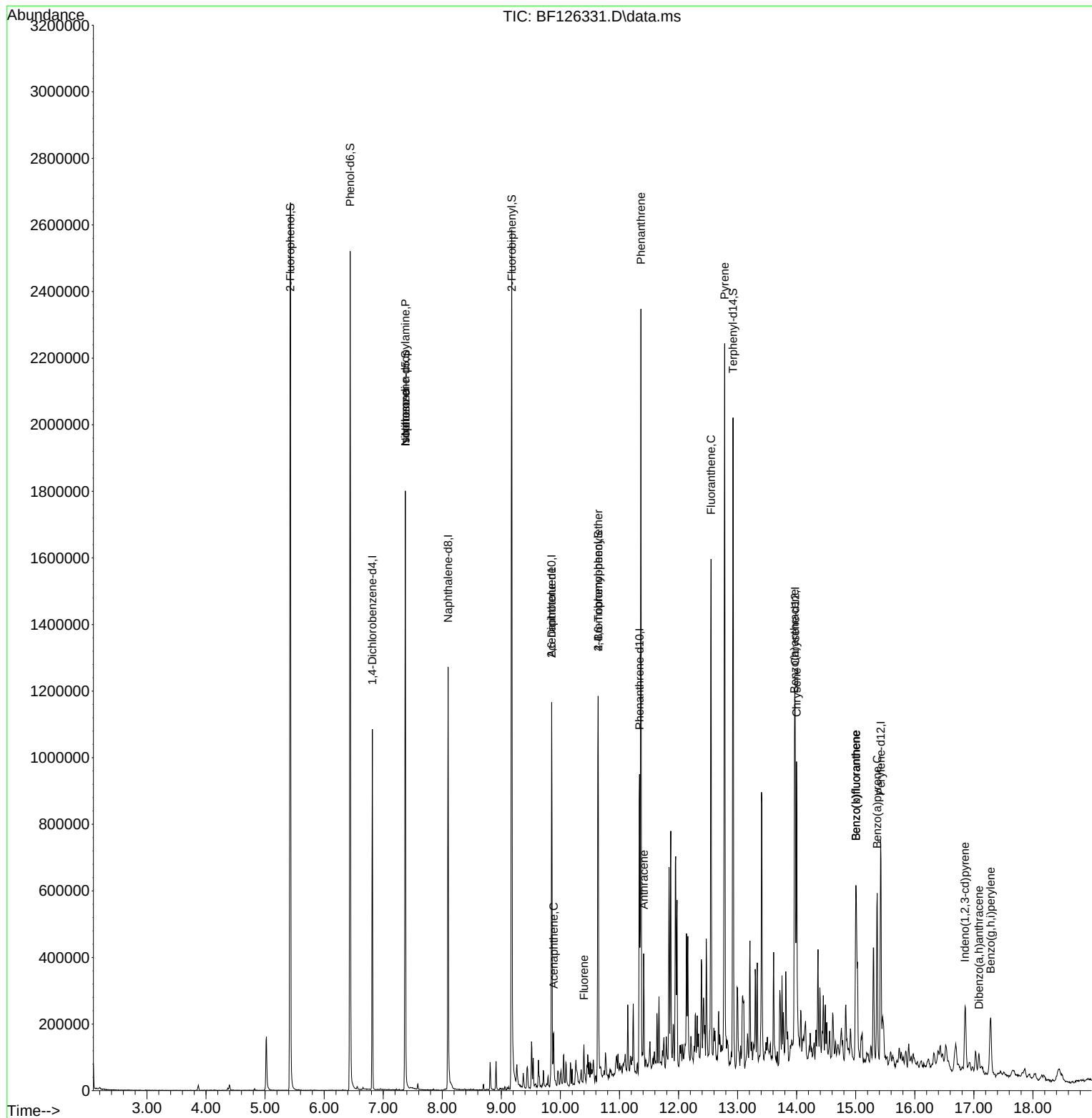
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	138792	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	571196	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	238979	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	337763	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	228261	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	278280	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	775343	82.268	ng	0.00
7) Phenol-d6	6.440	99	942177	78.732	ng	0.00
23) Nitrobenzene-d5	7.375	82	597087	56.614	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	140492	73.152	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	845327	62.039	ng	0.00
79) Terphenyl-d14	12.922	244	602723	45.895	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	74931	10.200	ng	# 54
25) Isophorone	7.375	82	597078	29.979	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	31555	9.630	ng	# 28
52) Acenaphthene	9.886	154	33693	2.557	ng	98
58) Fluorene	10.398	166	26310	2.026	ng	93
67) 4-Bromophenyl-phenylether	10.639	248	8067	2.545	ng	# 1
71) Phenanthrene	11.363	178	774388	44.421	ng	98
72) Anthracene	11.410	178	128539	7.346	ng	99
75) Fluoranthene	12.551	202	540399	34.406	ng	93
78) Pyrene	12.780	202	863328	41.168	ng	98
81) Benzo(a)anthracene	13.963	228	323681	23.939	ng	98
83) Chrysene	13.998	228	315817	22.481	ng	98
87) Indeno(1,2,3-cd)pyrene	16.851	276	126347	6.807	ng	100
88) Benzo(b)fluoranthene	15.004	252	365594	21.865	ng	# 95
89) Benzo(k)fluoranthene	15.004	252	365594	22.856	ng	# 91
90) Benzo(a)pyrene	15.363	252	229858	16.540	ng	# 96
91) Dibenzo(a,h)anthracene	17.086	278	40809	2.705	ng	97
92) Benzo(g,h,i)perylene	17.286	276	129942	8.323	ng	91

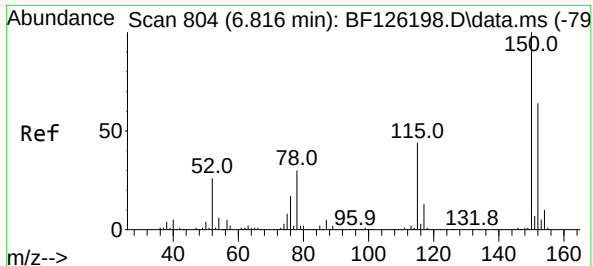
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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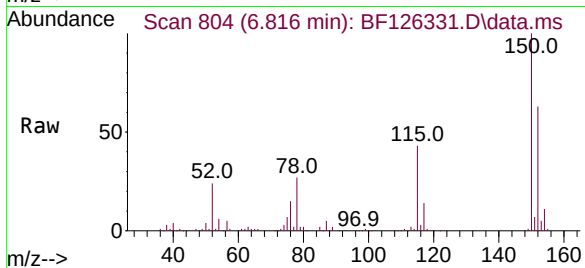
Quant Time: Dec 22 16:41:23 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration



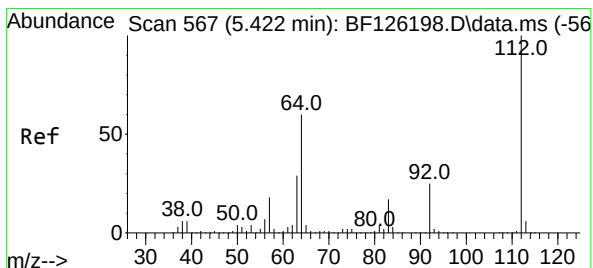
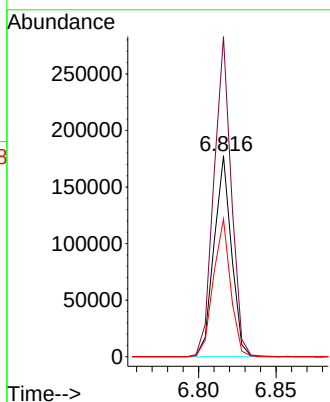
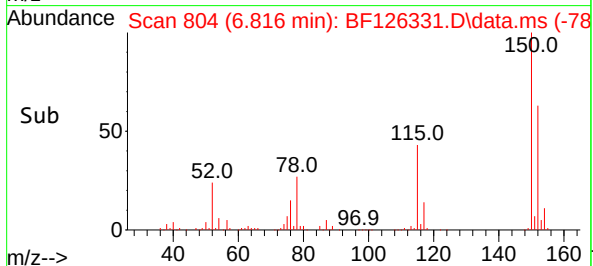


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

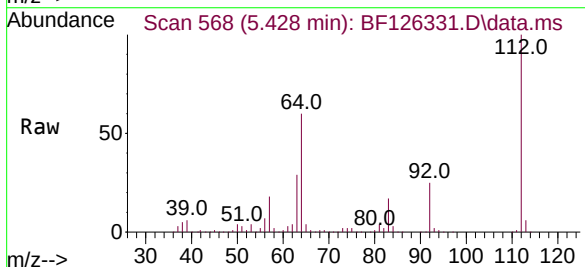
Instrument :
BNA_F
ClientSampleId :



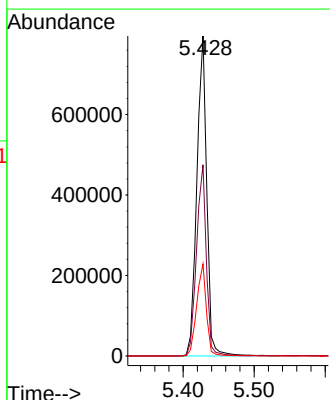
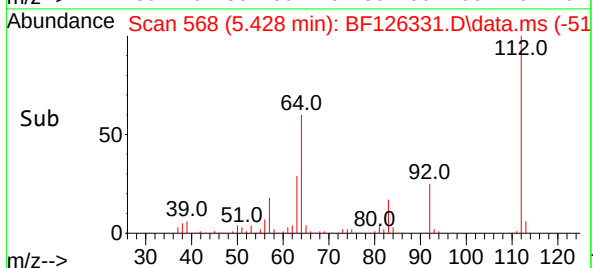
Tgt Ion:152 Resp: 138792
Ion Ratio Lower Upper
152 100
150 159.2 117.6 176.4
115 68.5 47.1 70.7

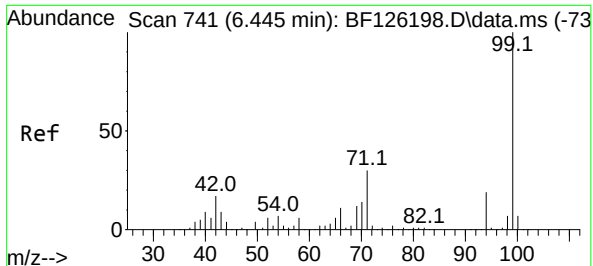


#5
2-Fluorophenol
Concen: 82.268 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14



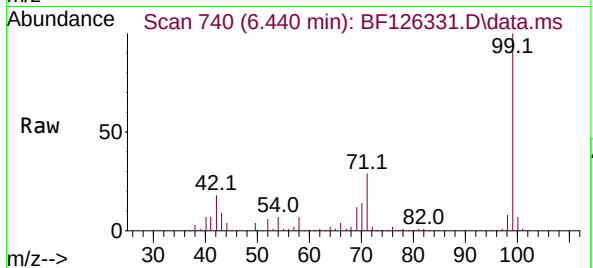
Tgt Ion:112 Resp: 775343
Ion Ratio Lower Upper
112 100
64 59.7 44.2 66.2
63 28.7 26.2 39.2



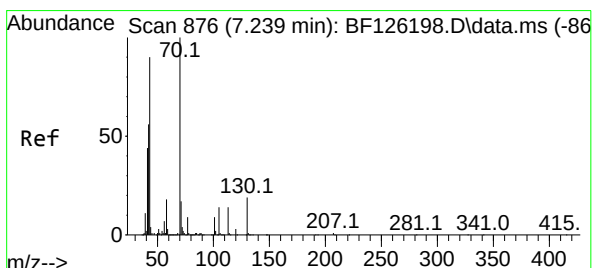
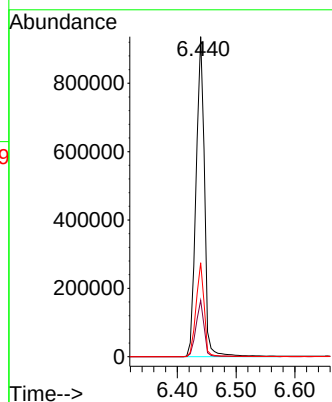
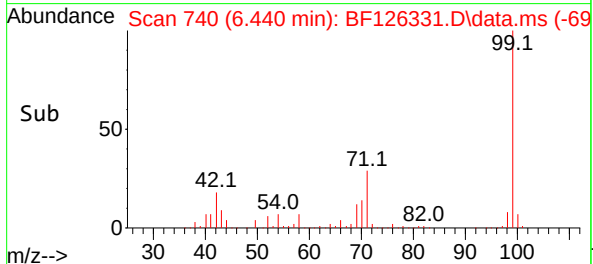


#7
Phenol-d6
Concen: 78.732 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

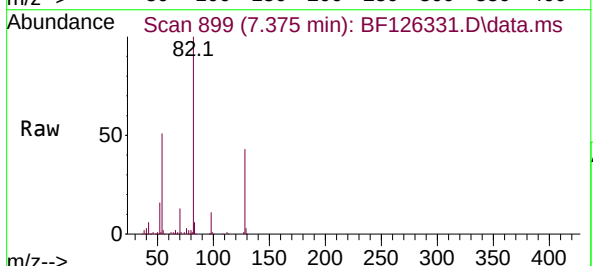
Instrument :
BNA_F
ClientSampleId :



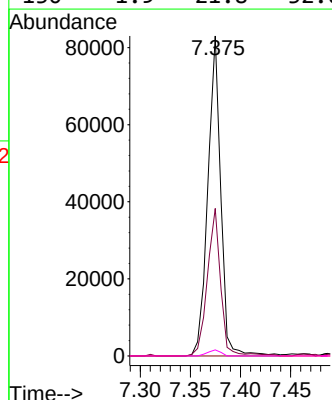
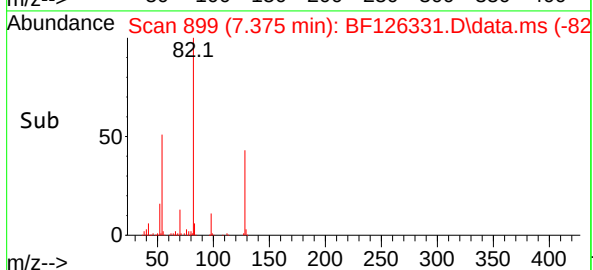
Tgt Ion: 99 Resp: 942177
Ion Ratio Lower Upper
99 100
42 17.6 23.5 35.3#
71 29.3 25.6 38.4

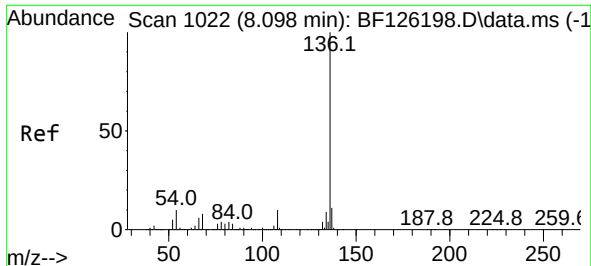


#19
n-Nitroso-di-n-propylamine
Concen: 10.200 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.141 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14



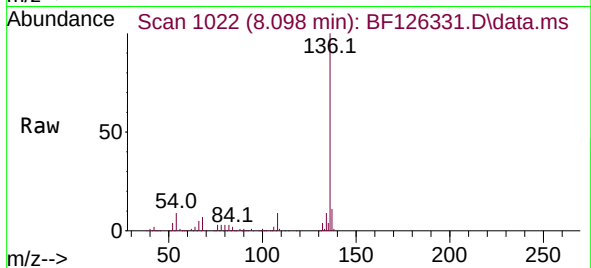
Tgt Ion: 70 Resp: 74931
Ion Ratio Lower Upper
70 100
42 46.1 72.2 108.2#
101 0.0 7.8 11.8#
130 1.9 21.8 32.6#



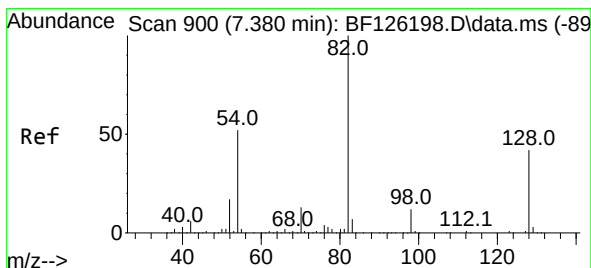
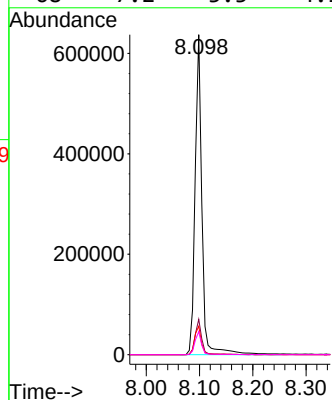
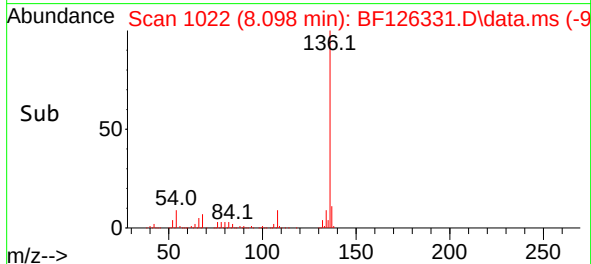


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

Instrument :
BNA_F
ClientSampleId :

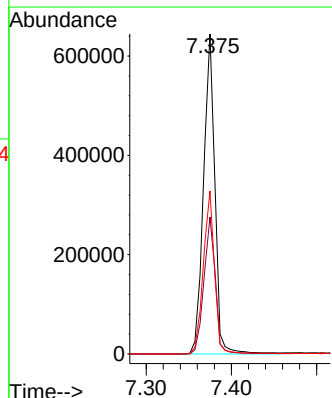
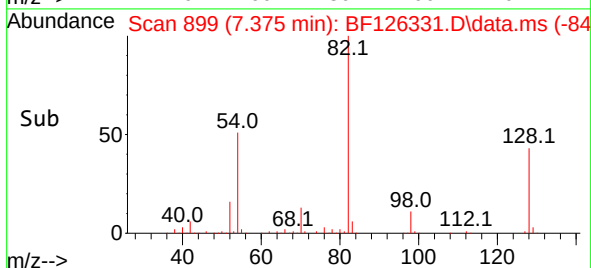
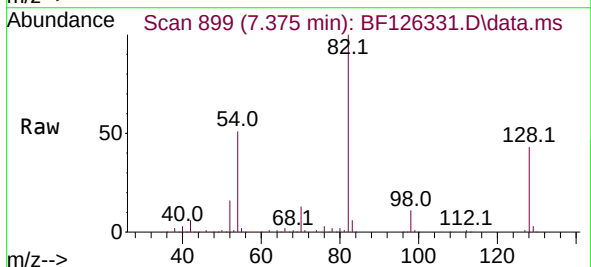


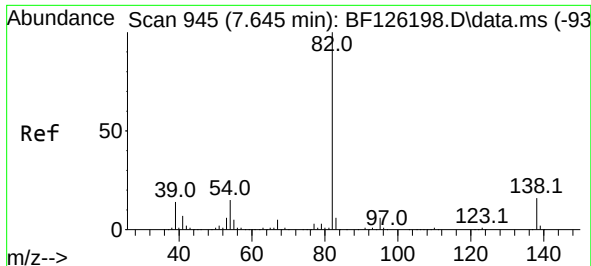
Tgt Ion:136 Resp: 571196
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 8.9 6.4 9.6
68 7.2 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 56.614 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

Tgt Ion: 82 Resp: 597087
Ion Ratio Lower Upper
82 100
128 42.8 40.6 60.8
54 51.0 49.6 74.4

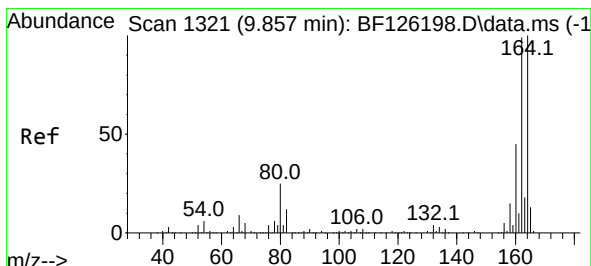
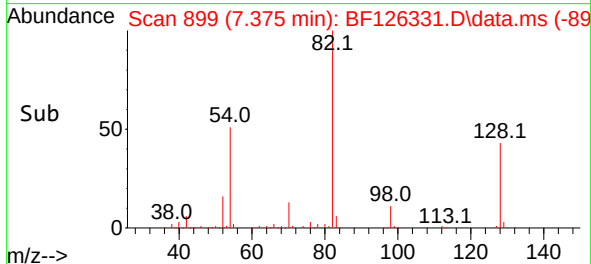
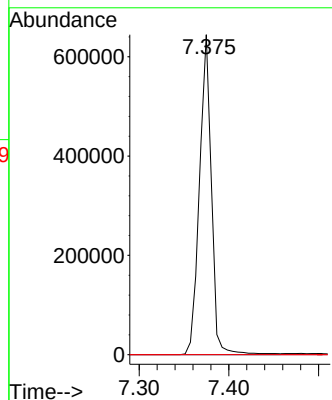
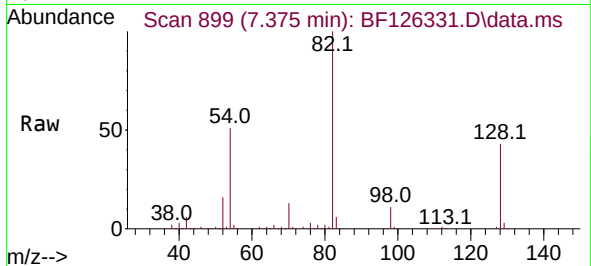




#25
Isophorone
Concen: 29.979 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

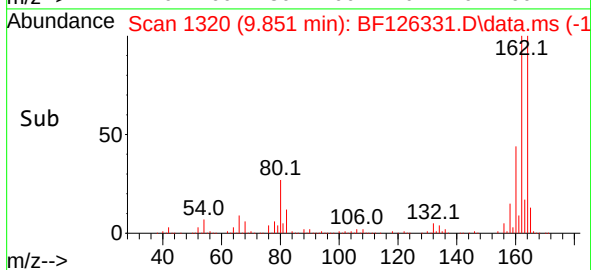
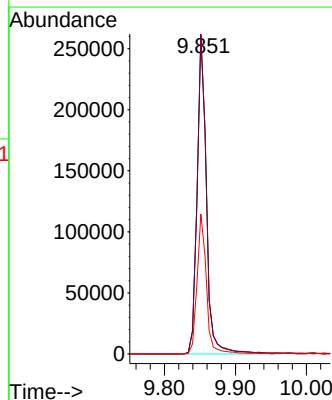
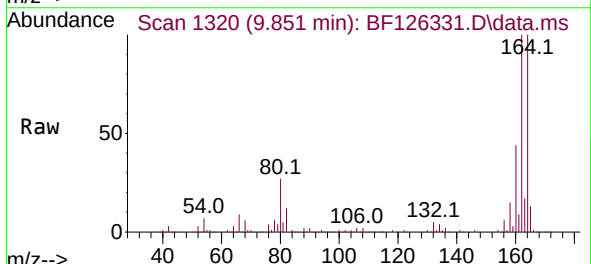
Instrument :
BNA_F
ClientSampleId :

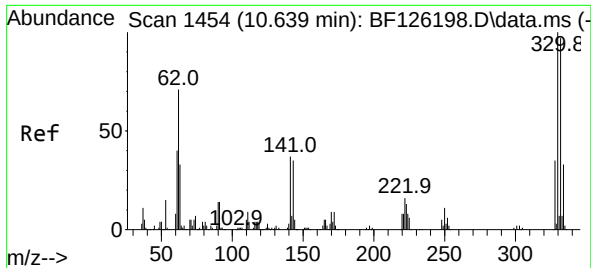
Tgt Ion: 82 Resp: 597078
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

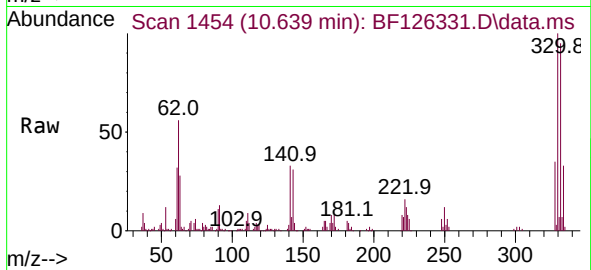
Tgt Ion:164 Resp: 238979
Ion Ratio Lower Upper
164 100
162 100.5 81.3 121.9
160 43.9 38.0 57.0



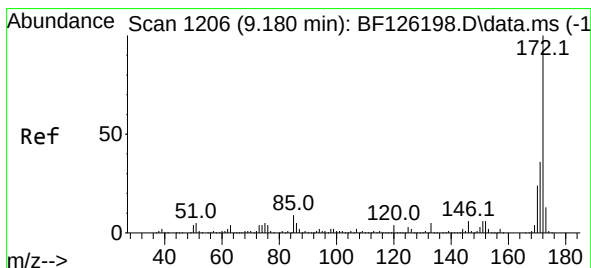
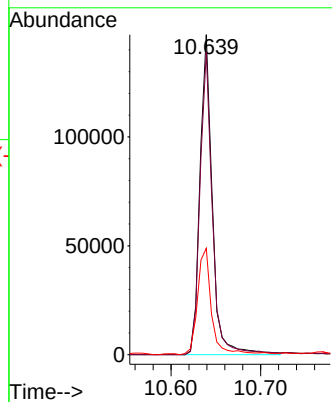
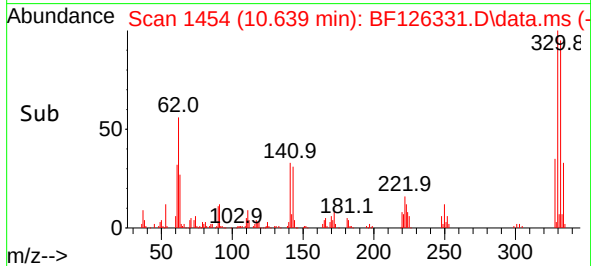


#42
2,4,6-Tribromophenol
Concen: 73.152 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

Instrument :
BNA_F
ClientSampleId :

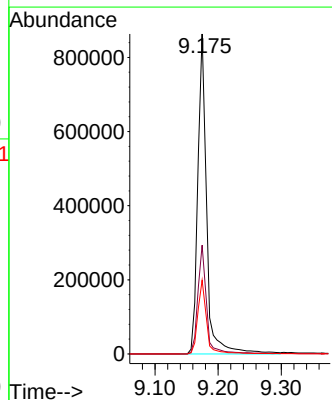
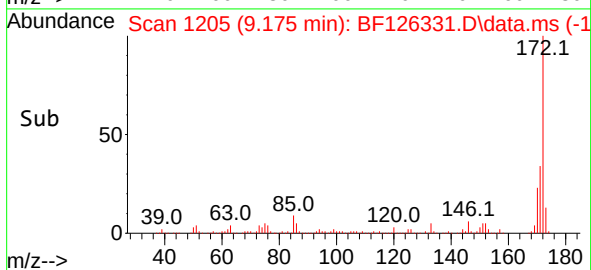
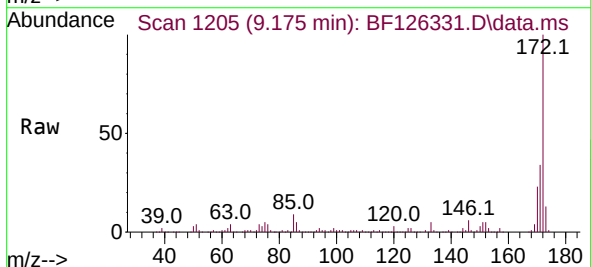


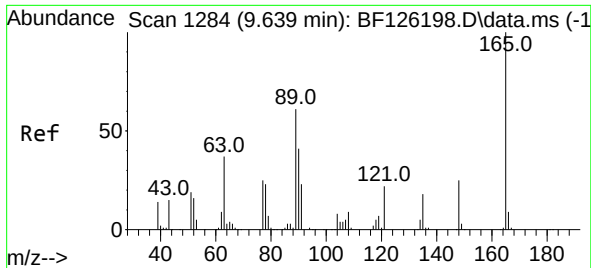
Tgt Ion:330 Resp: 140492
Ion Ratio Lower Upper
330 100
332 95.3 76.2 114.4
141 37.9 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 62.039 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

Tgt Ion:172 Resp: 845327
Ion Ratio Lower Upper
172 100
171 34.0 26.5 39.7
170 23.1 18.8 28.2

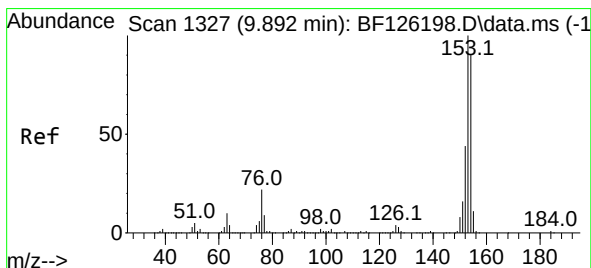
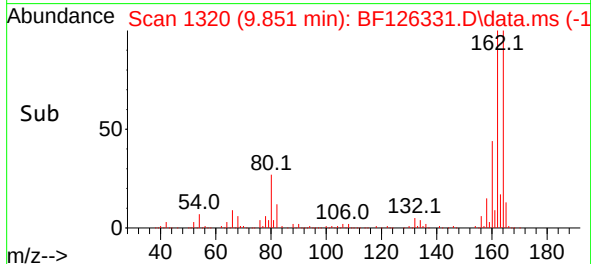
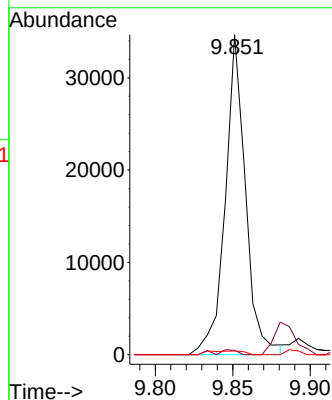
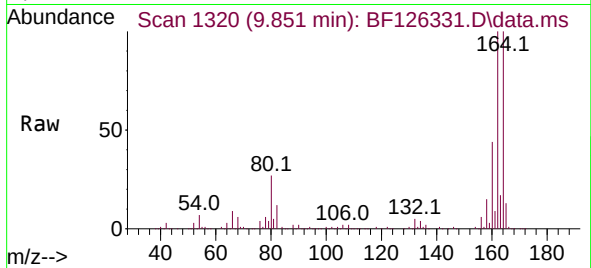




#51
2,6-Dinitrotoluene
Concen: 9.630 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

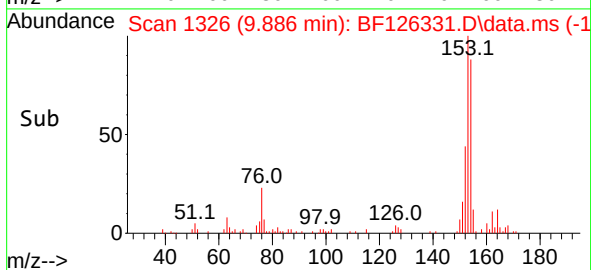
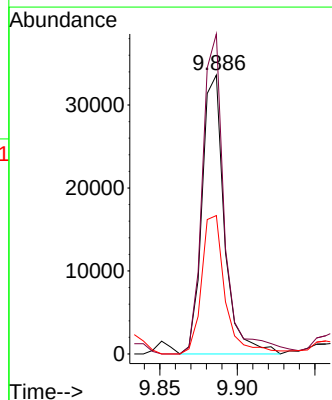
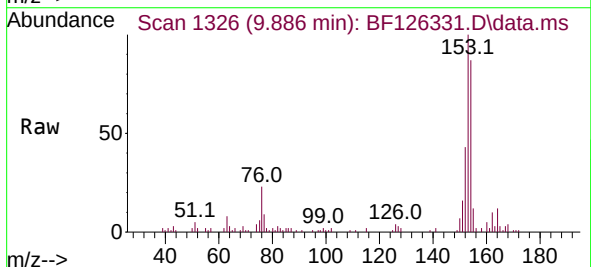
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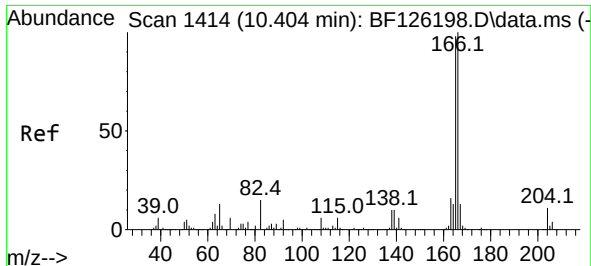
Tgt Ion:165 Resp: 31555
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 1.2 40.6 60.8#



#52
Acenaphthene
Concen: 2.557 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

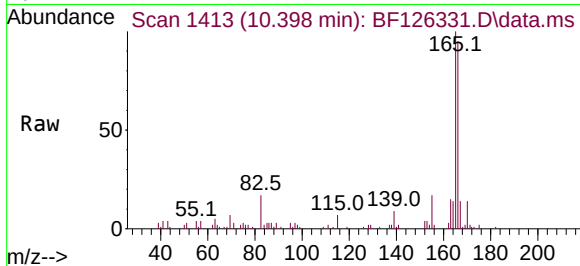
Tgt Ion:154 Resp: 33693
Ion Ratio Lower Upper
154 100
153 114.7 89.4 134.2
152 49.6 40.5 60.7



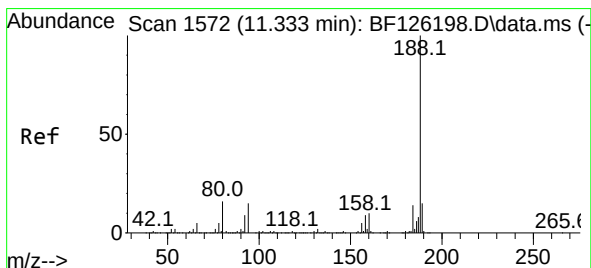
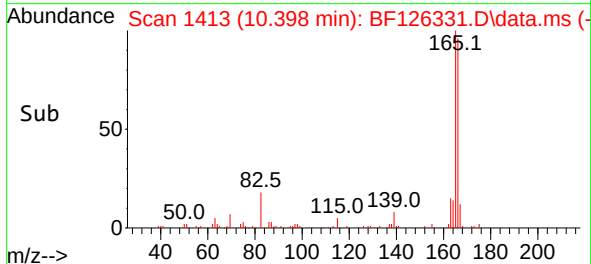
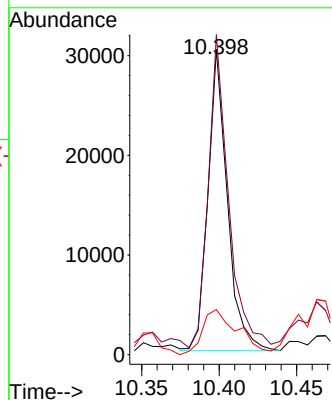


#58
Fluorene
Concen: 2.026 ng
RT: 10.398 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

Instrument :
BNA_F
ClientSampleId :

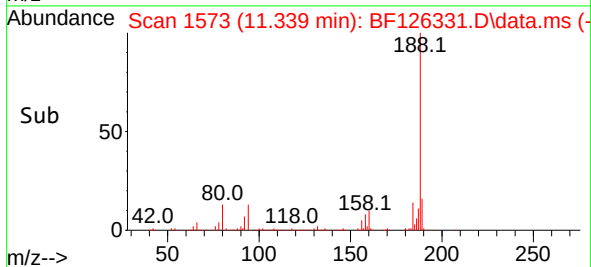
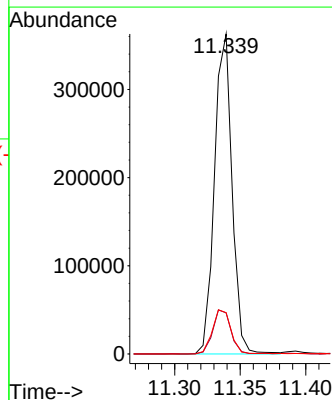
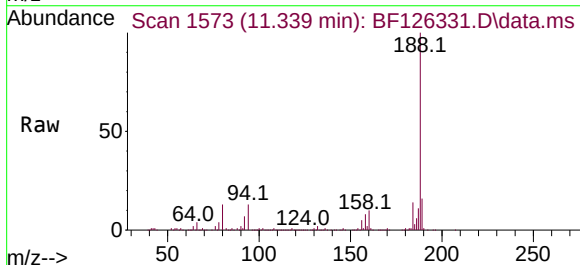


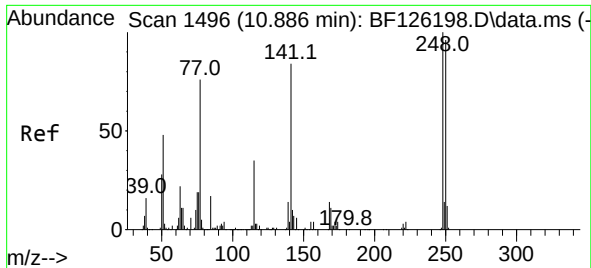
Tgt Ion:166 Resp: 26310
Ion Ratio Lower Upper
166 100
165 104.8 78.1 117.1
167 14.8 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

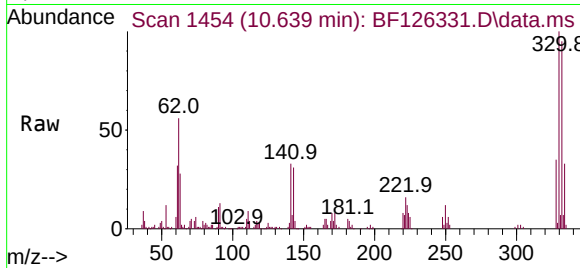
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Ion Ratio Lower Upper
188 100
94 12.9 6.7 10.1#
80 12.9 7.5 11.3#



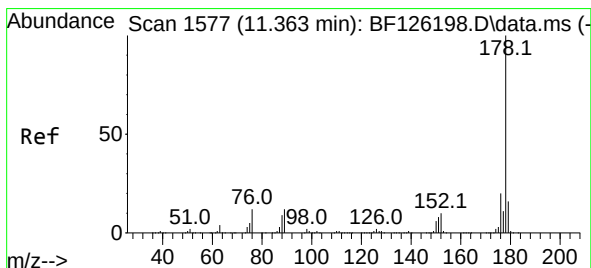
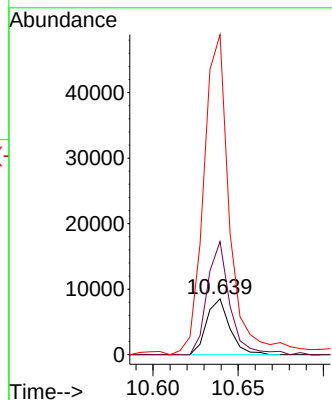
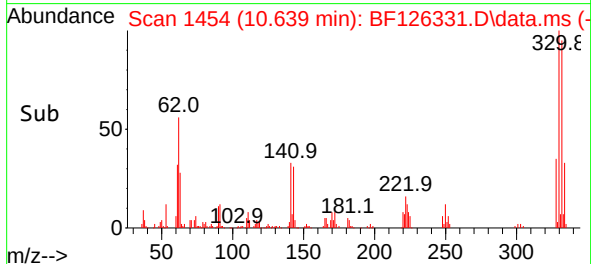


#67
4-Bromophenyl-phenylether
Concen: 2.545 ng
RT: 10.639 min Scan# 1496
Delta R.T. -0.247 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

Instrument :
BNA_F
ClientSampleId :

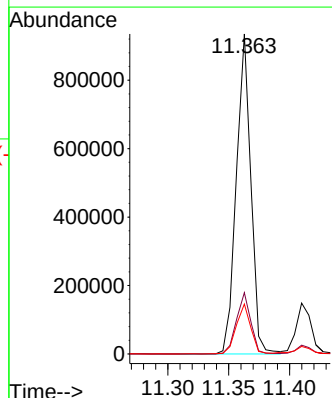
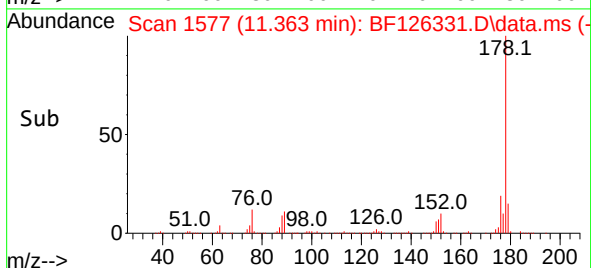
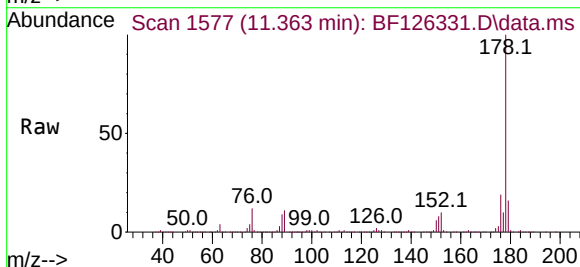


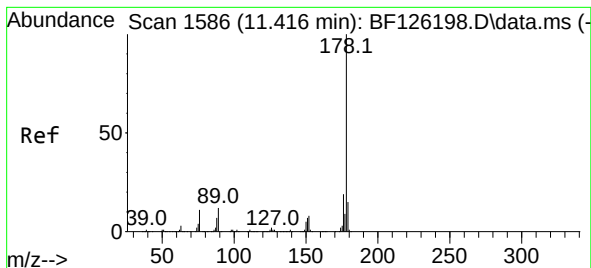
Tgt Ion:248 Resp: 8067
Ion Ratio Lower Upper
248 100
250 202.7 74.2 111.4#
141 573.5 60.4 90.6#



#71
Phenanthrene
Concen: 44.421 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

Tgt Ion:178 Resp: 774388
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 15.6 11.5 17.3





#72

Anthracene

Concen: 7.346 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126331.D

Acq: 22 Dec 2021 16:14

Instrument :

BNA_F

ClientSampleId :

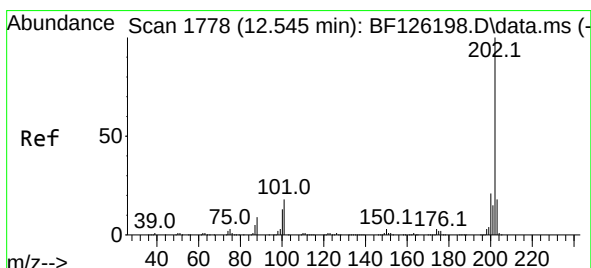
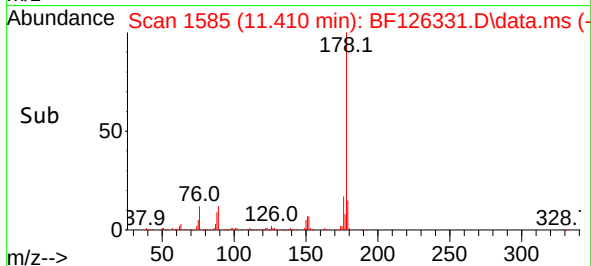
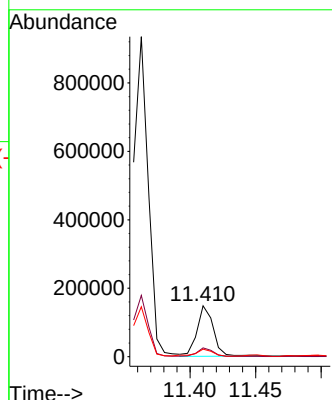
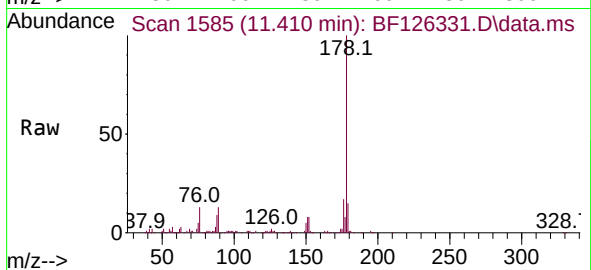
Tgt Ion:178 Resp: 128539

Ion Ratio Lower Upper

178 100

176 17.2 14.3 21.5

179 14.8 12.2 18.4



#75

Fluoranthene

Concen: 34.406 ng

RT: 12.551 min Scan# 1779

Delta R.T. 0.000 min

Lab File: BF126331.D

Acq: 22 Dec 2021 16:14

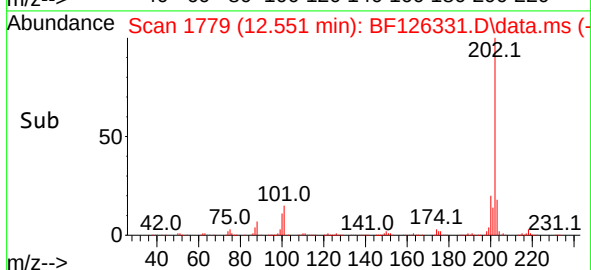
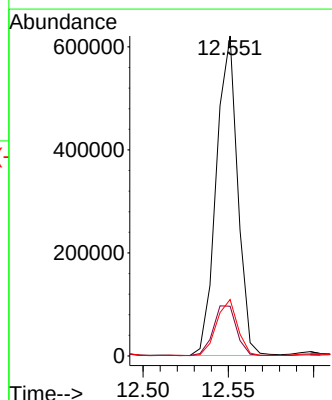
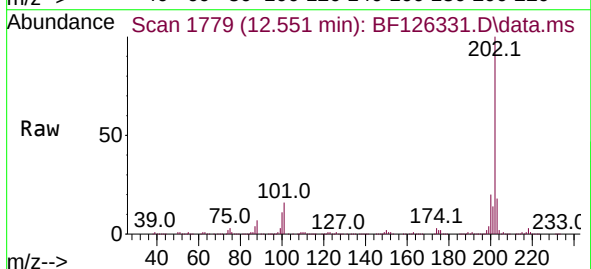
Tgt Ion:202 Resp: 540399

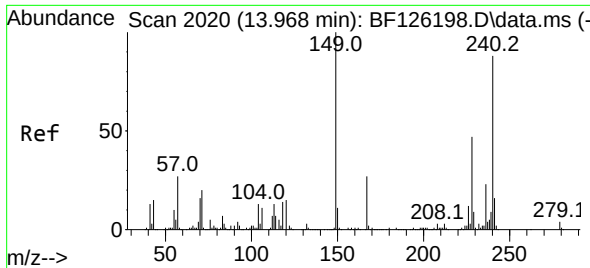
Ion Ratio Lower Upper

202 100

101 15.5 0.0 30.7

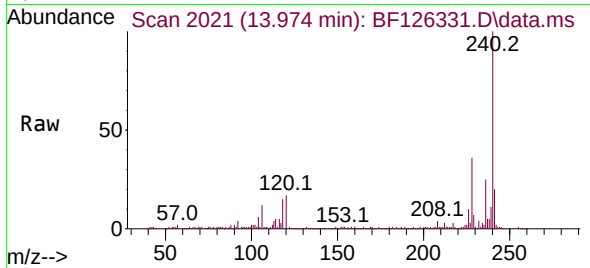
203 17.7 0.0 36.3



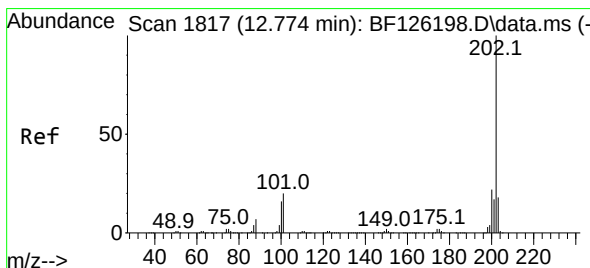
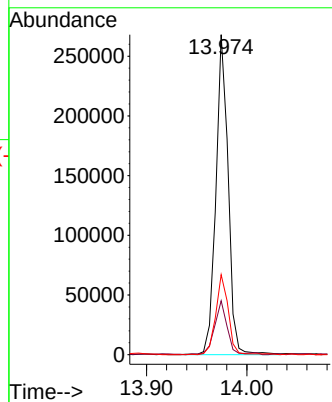
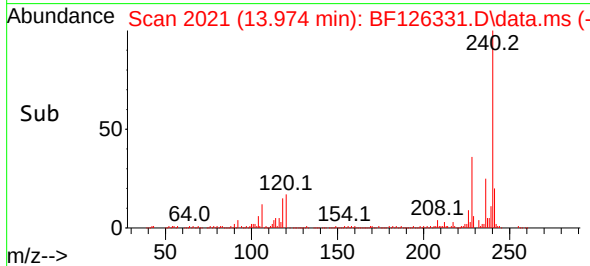


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

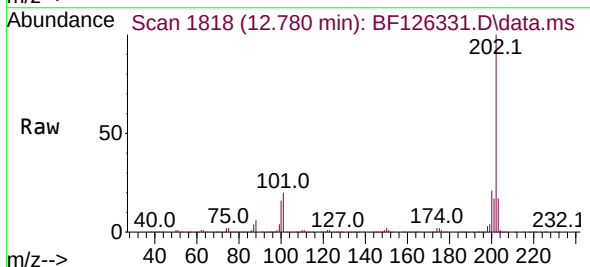
Instrument :
BNA_F
ClientSampleId :



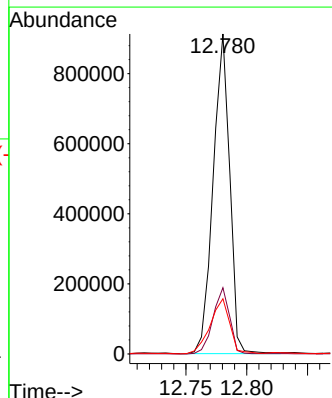
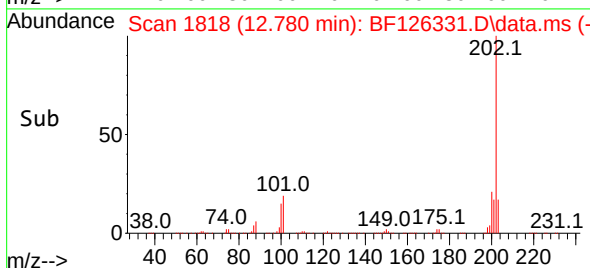
Tgt Ion:240 Resp: 228261
Ion Ratio Lower Upper
240 100
120 16.8 10.8 16.2#
236 25.0 21.6 32.4

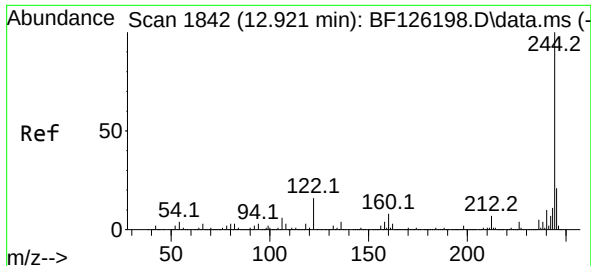


#78
Pyrene
Concen: 41.168 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14



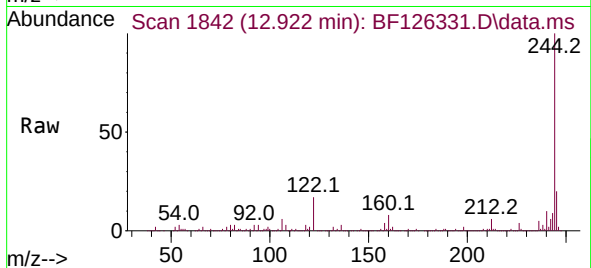
Tgt Ion:202 Resp: 863328
Ion Ratio Lower Upper
202 100
200 20.7 15.3 22.9
203 17.3 13.4 20.0



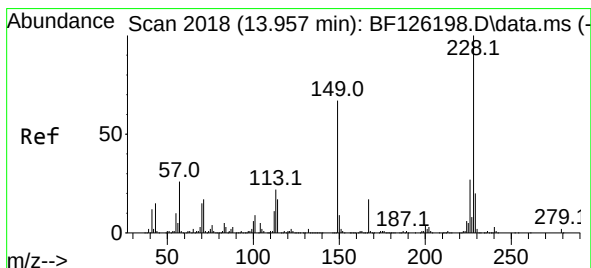
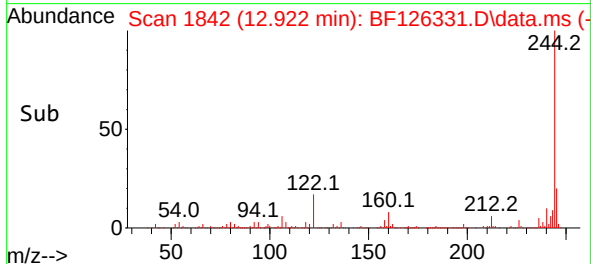
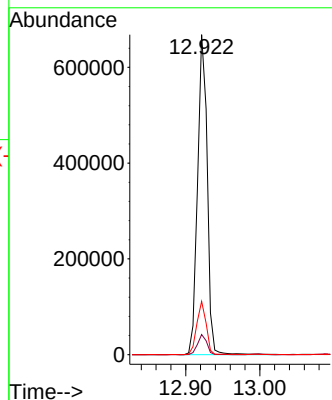


#79
 Terphenyl-d14
 Concen: 45.895 ng
 RT: 12.922 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126331.D
 Acq: 22 Dec 2021 16:14

Instrument :
 BNA_F
 ClientSampleId :

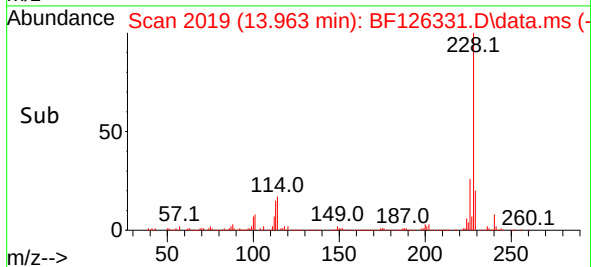
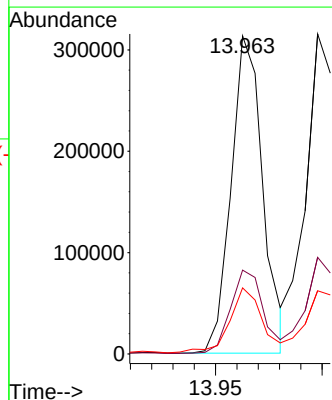
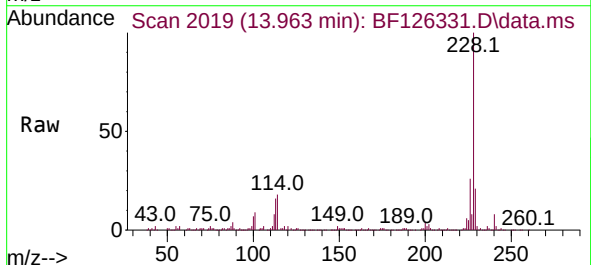


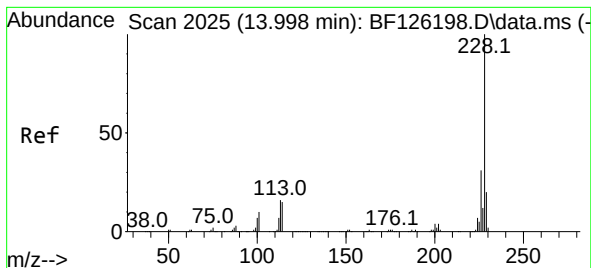
Tgt Ion:244 Resp: 602723
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.9 8.9
 122 16.7 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 23.939 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF126331.D
 Acq: 22 Dec 2021 16:14

Tgt Ion:228 Resp: 323681
 Ion Ratio Lower Upper
 228 100
 226 26.4 21.6 32.4
 229 20.8 15.6 23.4





#83

Chrysene

Concen: 22.481 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF126331.D

Acq: 22 Dec 2021 16:14

Instrument :

BNA_F

ClientSampleId :

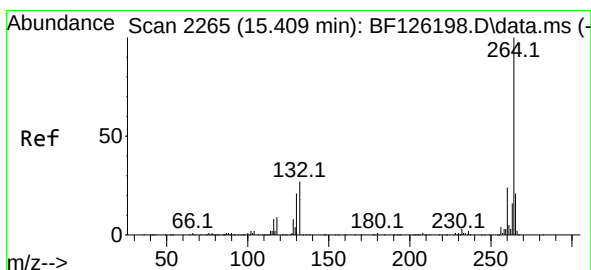
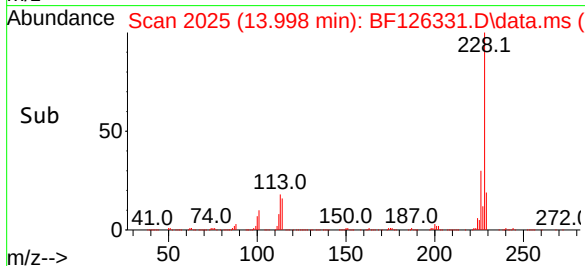
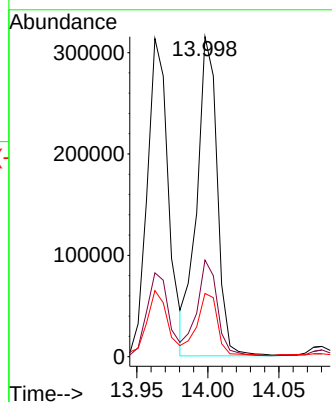
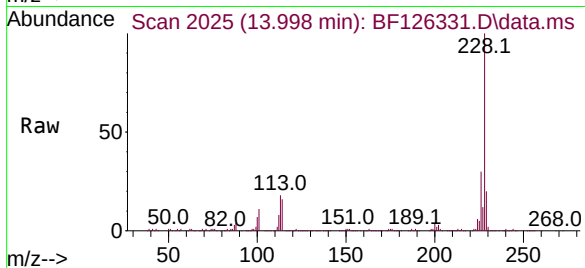
Tgt Ion:228 Resp: 315817

Ion Ratio Lower Upper

228 100

226 30.2 22.6 34.0

229 19.8 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.006 min

Lab File: BF126331.D

Acq: 22 Dec 2021 16:14

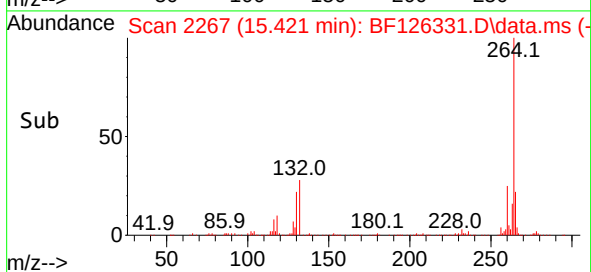
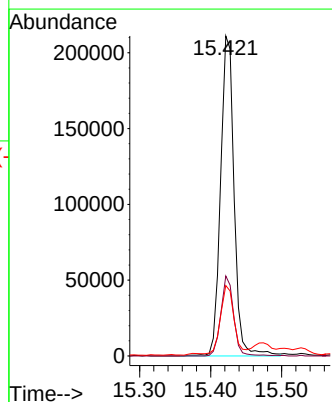
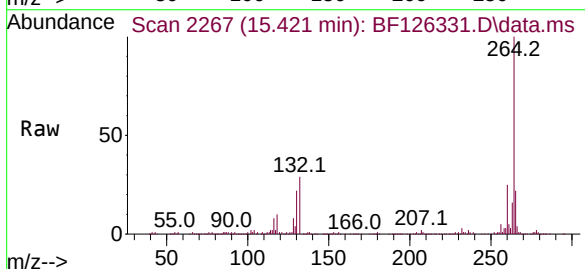
Tgt Ion:264 Resp: 278280

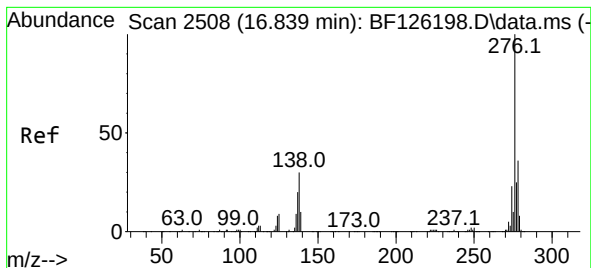
Ion Ratio Lower Upper

264 100

260 25.0 19.6 29.4

265 22.0 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.807 ng

RT: 16.851 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF126331.D

Acq: 22 Dec 2021 16:14

Instrument :

BNA_F

ClientSampleId :

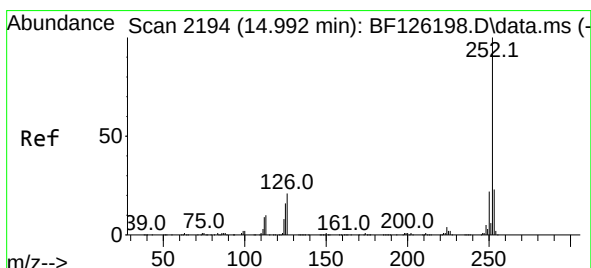
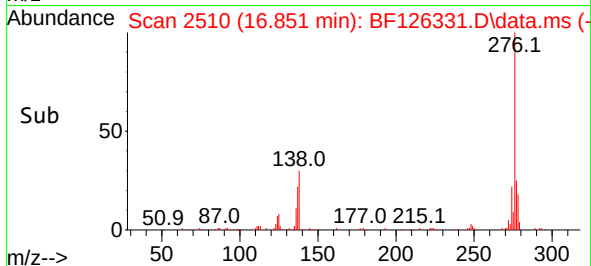
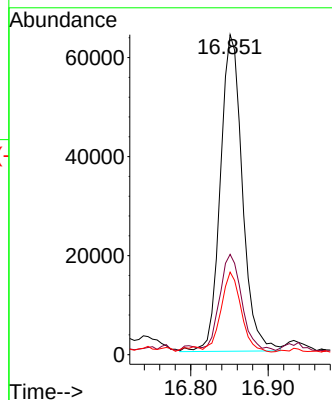
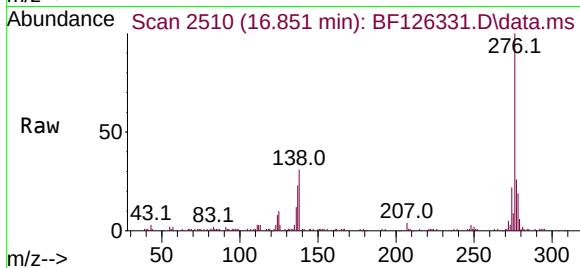
Tgt Ion:276 Resp: 126347

Ion Ratio Lower Upper

276 100

138 30.4 24.1 36.1

277 23.5 18.8 28.2



#88

Benzo(b)fluoranthene

Concen: 21.865 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF126331.D

Acq: 22 Dec 2021 16:14

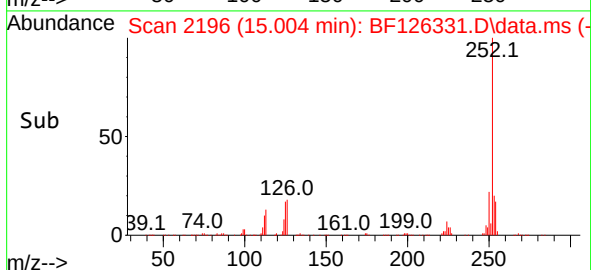
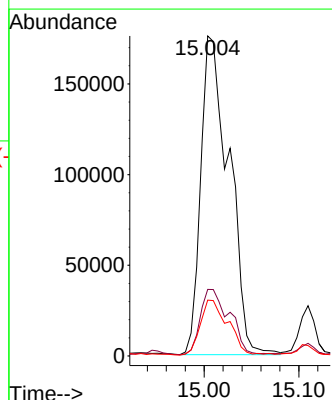
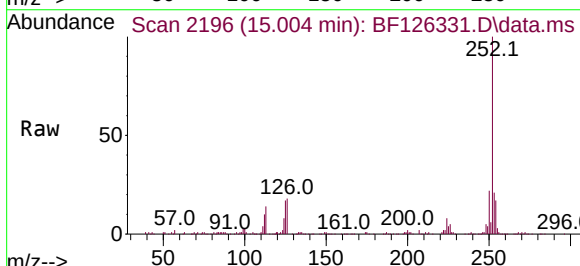
Tgt Ion:252 Resp: 365594

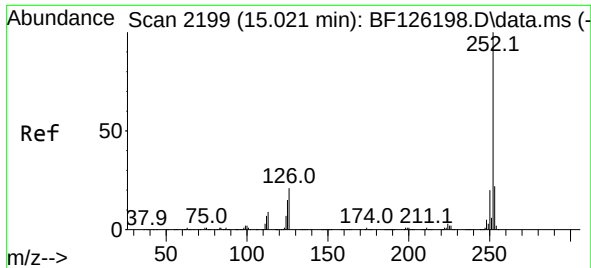
Ion Ratio Lower Upper

252 100

253 20.8 16.8 25.2

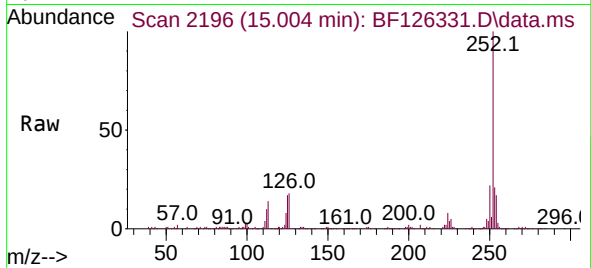
125 17.4 9.8 14.8#



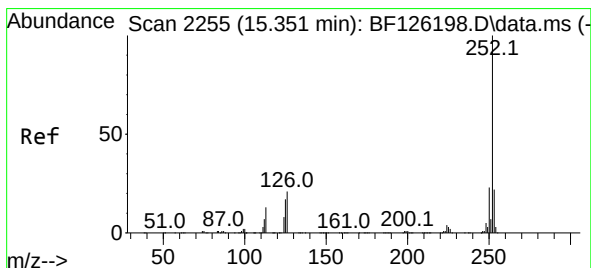
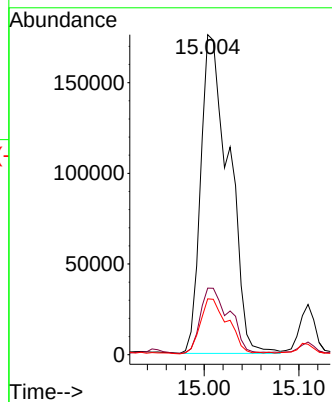
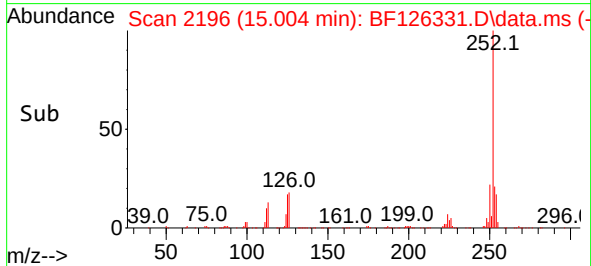


#89
Benzo(k)fluoranthene
Concen: 22.856 ng
RT: 15.004 min Scan# 2199
Delta R.T. -0.029 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

Instrument :
BNA_F
ClientSampleId :

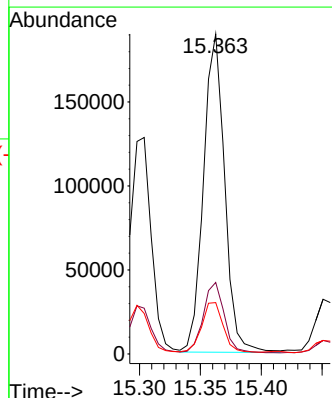
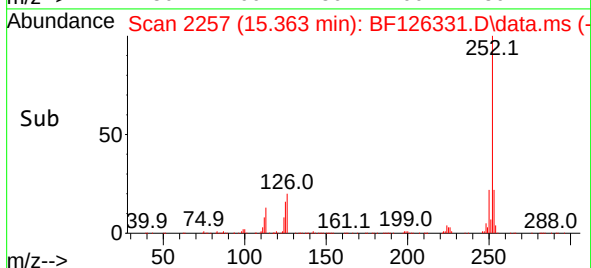
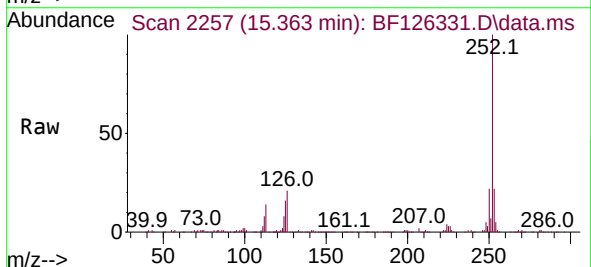


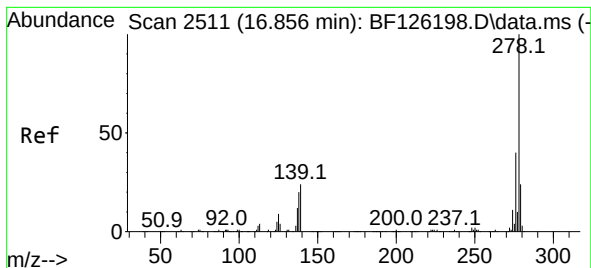
Tgt Ion:252 Resp: 365594
Ion Ratio Lower Upper
252 100
253 20.8 17.8 26.8
125 17.4 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 16.540 ng
RT: 15.363 min Scan# 2257
Delta R.T. 0.000 min
Lab File: BF126331.D
Acq: 22 Dec 2021 16:14

Tgt Ion:252 Resp: 229858
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 16.1 9.9 14.9#





#91

Dibenzo(a,h)anthracene

Concen: 2.705 ng

RT: 17.086 min Scan# 21

Delta R.T. 0.206 min

Lab File: BF126331.D

Acq: 22 Dec 2021 16:14

Instrument :

BNA_F

ClientSampleId :

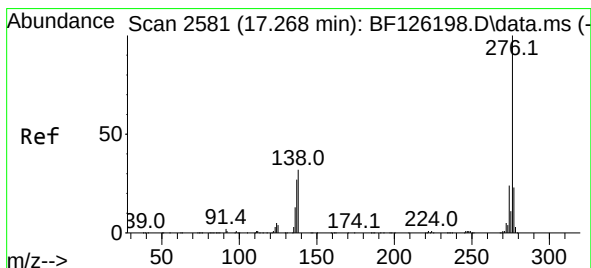
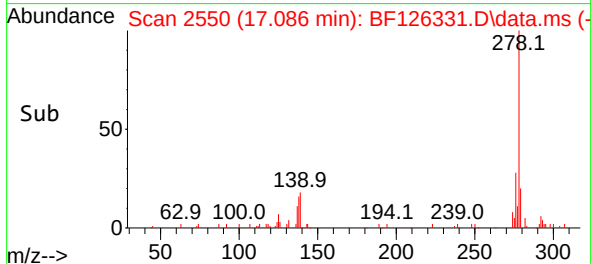
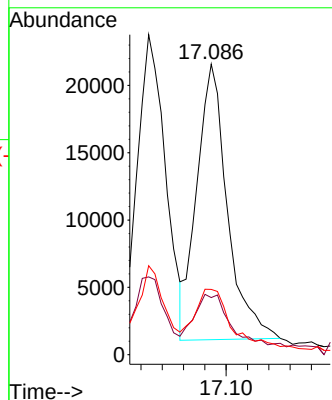
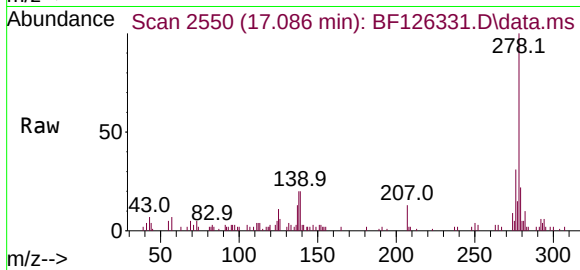
Tgt Ion:278 Resp: 40809

Ion Ratio Lower Upper

278 100

139 19.7 14.9 22.3

279 22.5 19.7 29.5



#92

Benzo(g,h,i)perylene

Concen: 8.323 ng

RT: 17.286 min Scan# 2584

Delta R.T. -0.012 min

Lab File: BF126331.D

Acq: 22 Dec 2021 16:14

Tgt Ion:276 Resp: 129942

Ion Ratio Lower Upper

276 100

277 23.4 22.0 33.0

138 33.1 22.2 33.4

